

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401**

Monitoring & Reporting Program No. R3-2004-0079

For

**The Cowell-South Unit Timber Harvest Plan
(THP Number Pending)
Santa Cruz County**

1. MONITORING POINTS

- a. **UP AND DOWN STREAM OF ALL CLASS I AND II STREAM CROSSINGS BY ROADS**
– Turbidity samples shall be collected between 10 and 30 feet up and down stream of all stream crossings.
- b. **VISUAL MONITORING POINTS** – Visual monitoring of all roads, watercourse crossings, landings, skid trails, water diversions, all watercourse confluences and known landslides on the timber harvest plan.
- c. **PHOTO-POINT MONITORING POINTS** – Photo-point monitoring points shall include the top and bottom of each landslide, up and down stream of each watercourse crossing, new and former crossings), watercourse confluence, and each landing. If feral pig activity, trespassing or other potential sources of erosion are discovered or known, photo-points shall be established for each of these locations. Flagging, rebar or another method of establishing the photo-point site locations shall be utilized. The document entitled “Standard Operation Procedure 5.2.3 - Photo Documentation Procedure” shall be utilized as the protocol for all photo-point monitoring. All photo-point locations shall be maintained until this Monitoring & Reporting Program is rescinded.

2. MONITORING CONSTITUENTS/FREQUENCY

- a. **TURBIDITY:** All monitoring points shall be monitored for turbidity. Samples shall be collected within 24 hours of the end of all storm events of two inches of rain or greater within a 24-hour period. If any down stream sample is significantly higher (i.e., at least 50% higher turbidity reading), then the source of the turbidity shall be investigated promptly. If possible, the source of turbidity shall be controlled. Additional turbidity measurements shall be collected to confirm the turbidity source(s).
- b. **VISUAL MONITORING:** All visual monitoring points shall be monitored for existing or potential sources of erosion. Visual monitoring shall be performed within 24 hours of all storm events of two inches of rain or greater within a 24-hour period. Starting in the second year following timber harvest activities, visual monitoring shall be performed within 48 hours of all storm events of three inches of rain or greater within a 24-hour period.

- c. **PHOTO-POINT MONITORING:** All photo-point monitoring points shall be monitored following:
- the first significant storm event (First Storm) during, and following completion of timber harvest activities, and
 - following any significant storm event during the month of April (April Storm).

Photo-point monitoring shall occur within 7 days of the First Storm and April Storm events. If no significant storm event occurs in the month of April, photo-point monitoring shall be completed by April 30 of the same year. Starting in the second year following completion of timber harvest operations, the First Storm photo-point monitoring may be discontinued (i.e., only the April Storm photo-point monitoring is required). A significant storm event shall be any storm of two or more inches of rain in a 24-hour period.

- d. **WATER USEAGE:** The total daily water usage shall be monitored daily when water is being diverted. The approximate stream flow rate shall also be monitoring. The creek shall be monitored to ensure no more than 10% of the creek flow is diverted for timber harvest activities.

3. DATA LOGGING AND REPORTING

- a. **LOGBOOKS:** The Discharger shall maintain logbooks for recording all visual and water analysis data. These logbooks shall be made available for inspection to the Regional Board staff when requested with at least 24 hours notice.
- b. **SEDIMENT RELEASE REPORTING:** Whenever at least one cubic yard of soil is released to a waterway due to natural or anthropogenic causes, or when turbidity is over 100% greater downstream compared to upstream (of a crossing or the Plan), then this event shall be reported to the Board within 24 hours.
- c. **VIOLATION REPORTING:** If a violation of the Forest Practice Rules occurs which is related to water quality, this event shall be reported to the Regional Board within 24 hours.
- d. **ANNUAL REPORT:** By August 15 of each year, an Annual Report shall be submitted to the Regional Board that addresses the following
- i. A summary of timber harvest activities that occurred the previous year and are planned for the following year.
 - ii. A summary of all wet weather problems observed,
 - iii. A summary of all erosion control practices implemented,
 - iv. Recommendations for wet weather preparation for the next year,
 - v. Summary of the water quality monitoring performed during the previous year, and,
 - vi. Recommendations for improving the monitoring and reporting program.

4. OTHER

- a. The Discharger is responsible for ensuring that all monitoring is done in safe manner. If any monitoring point is too dangerous to sample, then this circumstance shall be reported to the Board within 48 hours.
- b. This Monitoring & Reporting program may be changed and rescinded at the discretion of the Executive Officer.

Ordered By: _____
Executive Officer

Date: _____

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